

ABSTRACT OF THE DISCLOSURE

A fluid distributing apparatus is disclosed. The fluid distributing apparatus includes an orifice housing defining a first surface, a deflector plate defining a second surface spaced apart from the first surface to define an annular nozzle opening therebetween, and a turbine located between the first and second surfaces and freely rotatable between the first and second surfaces. The turbine has a plurality of radially extending fins each having leading edge, a trailing edge, and a radial surface for directing the flow of fluid exiting the nozzle opening. At least a first one of the fins has a vane extending at an angle relative to the radial surface so as to redirect the flow of fluid passing along the radial surface of the fin.